

Title (en)

METHOD AND SYSTEM FOR REDUCING EFFECT OF INTERFERENCE IN INTEGRATED METAL DETECTION/ELECTRONIC ARTICLE SURVEILLANCE SYSTEMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REDUZIERUNG DER INTERFERENZWIRKUNG IN INTEGRIERTEN SYSTEMEN ZUR METALLERKENNUNG/ÜBERWACHUNG ELEKTRONISCHER ARTIKEL

Title (fr)

PROCÉDÉ ET SYSTÈME POUR ATTÉNUER L'EFFET D'INTERFÉRENCE AFFECTANT LES SYSTÈMES INTÉGRÉS DE DÉTECTION DE MÉTAUX/SURVEILLANCE ÉLECTRONIQUE D'ARTICLES

Publication

EP 2543025 A2 20130109 (EN)

Application

EP 11767309 A 20110201

Priority

- US 71680910 A 20100303
- US 2011000192 W 20110201

Abstract (en)

[origin: US2011215928A1] An integrated electronic article surveillance ("EAS")/metal detection system. The system includes a transmitter operable to transmit an EAS interrogation signal, where the EAS interrogation signal establishes an interrogation zone and is used to detect EAS markers and metal objects within the interrogation zone. The EAS interrogation signal is transmitted at a first frequency during an EAS detection cycle and at a second frequency during a metal detection cycle. The system includes a receiver operable to detect a signal received from an EAS marker, and a metal detector module operable to detect a metal object in proximity to the integrated EAS/metal detection system, where the metal detector module includes a filter tuned to substantially filter out the first transmission frequency.

IPC 8 full level

G08B 13/24 (2006.01); **G08B 13/14** (2006.01)

CPC (source: EP KR US)

G01V 3/10 (2013.01 - EP KR US); **G08B 13/2451** (2013.01 - KR); **G08B 13/248** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2011155966A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2011215928 A1 20110908; US 8659428 B2 20140225; AU 2011264686 A1 20120920; BR 112012022201 A2 20160705; BR 112012022201 B1 20191126; CA 2791849 A1 20111215; CA 2791849 C 20180828; CN 102859560 A 20130102; CN 102859560 B 20160615; EP 2543025 A2 20130109; EP 2543025 B1 20180530; KR 101744898 B1 20170608; KR 20130040792 A 20130424; WO 2011155966 A2 20111215; WO 2011155966 A3 20120216

DOCDB simple family (application)

US 71680910 A 20100303; AU 2011264686 A 20110201; BR 112012022201 A 20110201; CA 2791849 A 20110201; CN 201180019458 A 20110201; EP 11767309 A 20110201; KR 20127025257 A 20110201; US 2011000192 W 20110201